

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings of claims in the present patent application:

Listing of Claims:

Claims 1 – 32 (cancelled).

Claim 33 (New). An antenna system for a wireless communications device comprising:

a main antenna system with full duplex capability, coupled to the wireless communications device, and configured to receive communications signals according to a first mode and a first band;

an auxiliary reception system comprising:

an auxiliary antenna,

a first processing module, selectably connected to the auxiliary antenna and configured to receive communications signals according to the first mode and the first band,

a second signal processing module selectably connected to the auxiliary antenna, and configured to receive an auxiliary signal, and

a selector module selectably connected to the first and second signal processing modules; and

a controller operatively connected to the main antenna system and the selector module, the controller configured to separately receive signals communicated on the main antenna system and the auxiliary reception system, the selector module configured to pass one of the second communications signals and the auxiliary signal to the controller.

Claim 34 (New): The antenna system of claim 33 wherein after the auxiliary reception system is limited to half-duplex operation.

Claim 35 (New): The antenna system of claim 33, wherein the controller is further configured to selectably receive one of the first communication signals via the main antenna system and the second communication signals via the auxiliary reception system.

Claim 36 (New): The antenna system of claim 35, wherein the main antenna system comprises a main antenna, wherein the auxiliary antenna is in diversity with the main antenna.

Claim 37 (New): The antenna system of claim 36, wherein the auxiliary antenna is disposed approximately orthogonal to the main antenna.

Claim 38 (New): The antenna system of claim 33, wherein the main antenna system is further configured to receive the first communications signals according to a first channel, wherein the first signal processing module is configured to

receive the second communications signals according to a second channel different from the first channel.

Claim 39 (New): The antenna system of claim 33, wherein the second signal processing module is configured to receive the auxiliary signal according to a second band different from the first band.

Claim 40 (New): The antenna system of claim 39, wherein the second signal processing module is configured to receive GPS signals.

Claim 41 (New): The antenna system of claim 33, wherein the second signal processing module is configured to receive the auxiliary signal according to a second mode.

Claim 42 (New): The antenna system of claim 33, wherein the auxiliary antenna system further comprises a third signal processor selectably connected to the auxiliary antenna, selectably connected to the selector module and configured to receive third communication signals according to the first mode and a second band.

Claim 43 (New): A method for providing enhanced reception in a diversity antenna system, the diversity antenna system comprising a main antenna system and an auxiliary receptions system, the method comprising:

establishing full-duplex communications via the main antenna system, the full duplex communications comprising first communications signals according to a first mode and a first band;

selectably connecting an auxiliary antenna to a first signal processing module;

receiving second communication signals via the auxiliary antenna and the first signal processing module, the second communication signals comprising signals according to the first mode and the first band;

selectably connecting the auxiliary antenna to a second signal processing module;

receiving an auxiliary signal via the auxiliary antenna and the second signal processing module;

passing one of the second communications signals and the auxiliary signal; and

separately receiving the first communication signals and the passed one of the second communication signals and the auxiliary signals.

Claim 44 (New): The method of claim 43, wherein the auxiliary signal comprises GPS band signals, the method further comprising determining location information from the GPS band signals.

Claim 45 (New): The method of claim 44, further comprising transmitting the determined location information via the main antenna system.

Claim 46 (New): The method of claim 43, wherein the selectably connecting the auxiliary antenna to the second signal processing module is carried out when the reception quality of the first communication signals is higher than the reception quality of the second communication signals.

Claim 47 (New): The method of claim 43, wherein the selectably connecting the auxiliary antenna to the first signal processing module is carried out when the reception quality of the second communication signals is higher than the reception quality of the first communication signals.

Claim 48 (New): The method of claim 43, wherein the auxiliary reception system is limited to half-duplex operation.